CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the present application:

Listing of Claims:

1. (currently amended)   An accessory and a wireless communication device configured to detect the type of accessory connected to the wireless communication device comprising:

an accessory comprising:

two or more outputs configured to connected to the wireless communication device ~~and output one or more signals to the wireless communication device~~;

a signal source configured to connect to at least one of the two or more outputs, the two or more outputs arranged to generate a line voltage pattern; and

a memory configured to store predefined control data;

a wireless communication device comprising:

two or more inputs configured to receive the line voltage pattern ~~one or more signals~~ from the accessory;

a processor configured to:

analyze the line voltage pattern ~~one or more signals on the two or more inputs~~ to determine a type of accessory connected to the wireless communication device;

initiate accessory interaction based on the analysis; and

use the control data to operate the accessory.

2. (original) The accessory and wireless communication device of Claim 1, wherein the accessory further includes memory and wherein the processor is further configured to read data from the memory in the accessory.

3. (original) The accessory and wireless communication device of Claim 1, wherein the accessory comprises a hands-free system.

4. (currently amended)   The accessory and wireless communication device of Claim 1, wherein the line voltage pattern ~~one or more signals~~ comprise DC voltage levels.

5. (original) The accessory and wireless communication device of Claim 4, wherein the DC voltage levels comprise logic '1' values and logic ' 0 ' values.

6. (original) The accessory and wireless communication device of Claim 1, wherein accessory interaction comprises executing software code to interface with the accessory.

7 . (original) The accessory and wireless communication device of Claim 1, wherein the wireless communication device comprises a cellular telephone.

8. (original) The accessory and wireless communication device of Claim 1, wherein the accessory further includes a memory configured to store a control code, the memory accessible via the two or more outputs.

9 . (currently amended)   An accessory for use with a communication device comprising:

two or more output terminals configured to connect to a communication device;

a power source connection configured to connect to a power source;

a memory configured to store predefined control data;

a signal generator configured to obtain power from the power source connection and provide a signal on at least one of the two or more output

terminals, <u>the two or more outputs arranged to generate a line voltage pattern;</u> <u>and</u>

wherein the accessory is (i) identified by <u>the line voltage pattern</u> ~~which output terminals are provided a signal~~, and (ii) the control data is transferable to the communication device.

10. (original)   The accessory of Claim 9, wherein the power source connection is configured to connect to a 12 volt power supply.

11. (original)   The accessory of Claim 9, wherein the signal generator is a semiconductor device configured to generate a DC signal.

12. (original)   The accessory of Claim 9, further including a memory configured to store a control code, the memory accessible via the two or more output terminals.

13. (currently amended)   A method for detecting a category of an accessory connected to a communication device:

storing predefined control data in the accessory;

providing a communication device with two or more inputs;

monitoring the two or more inputs for a <u>line voltage pattern</u> ~~voltage~~;

comparing the <u>line voltage pattern</u> ~~inputs having a voltage~~ to <u>a</u> predetermined pattern~~s~~;

determining, responsive to the comparing, the category of the accessory connected to a communication device; and

transferring the control data to the communications device.

14. (original)   The method of Claim 13, further including reading data from a memory located in the accessory and analyzing the data.

15. (original)   The method of Claim 13, further including providing an accessory with two or more outputs and connecting two or more outputs of the accessory to the two or more inputs of the communication device.

16. (original)   The method of Claim 14, wherein the data comprises control data and the method further includes reading at least a portion of the control data from the memory in the accessory.

17. (original)   The method of Claim 13, wherein one of the predetermined patterns comprise at least one input receiving a voltage and the remaining inputs receiving no voltage.

18. (original)   The method of Claim 13, wherein the accessory comprises a speaker phone system and the communication device comprises a wireless telephone.

19. (original)   The method of Claim 13, further comprising reading accessory data stored in a memory on the accessory and initiating an accessory interaction operation based on the comparing.

20. (original)   The method of Claim 19, wherein the accessory interaction comprises setting audio parameters.

21. (original)   The method of Claim 19, wherein the accessory interaction comprises executing software code.

22. (currently amended)   A method for initiating operation of an interface of a communication device comprising:

      providing a communication device having two or more inputs ;

      monitoring the two or more inputs for a <u>line voltage pattern</u> signal;

detecting a line voltage pattern on the two ~~signal on one~~ or more ~~of the~~ inputs;

processing the line voltage pattern ~~signal~~ to determine a type of accessory connected to the communication device;

analyzing the line voltage pattern ~~signal~~ to determine if the communication device has control data for operating the accessory;

receiving, responsive to the analyzing step, new control data; and

initiating an accessory interaction operation based on the processing and using the new control data.

23. (original)   The method of Claim 22, wherein the signal comprises a DC signal.

24. (original)   The method of Claim 22, wherein processing comprise comparing the signal to data stored in memory.

25. (original)   The method of Claim 22, wherein processing comprises providing a signal to control logic, the control logic configured to determine an accessory type.

2 6 . (previously presented)   An apparatus for detecting a type of accessory connected to a communication device, the apparatus comprising:

      means for coupling to an accessory using at least two signal lines;

means for receiving a line voltage pattern ~~an electrical signal~~ from the ~~an~~ accessory;

means for detecting the line voltage pattern ~~an electrical signal~~ from the accessory;

means for receiving control data from the accessory; and

means for analyzing the line voltage pattern ~~an electrical signal~~ from the accessory and controlling communication device operation based on the analyzing.

27. (original)   The apparatus of Claim 26, further including means for retrieving data from the accessory.

28. (original)   The apparatus of Claim 26, wherein the means for analyzing the line voltage pattern ~~an electrical signal~~ comprises means for determining which of the signal lines ~~two or more means for receiving~~ is receiving an electrical signal.